

SMW LNB Single Wideband



IF 950-3000 MHz

The LNB Single Wideband has a wide IF up 3000 MHz to receive the whole frequency range 10.7-12.75 GHz in one band.

Comes standard with very low phase noise, low noise figure, F- or N-connector and two-year warranty. Options include high stability LO, customized gain, and low output VSWR.

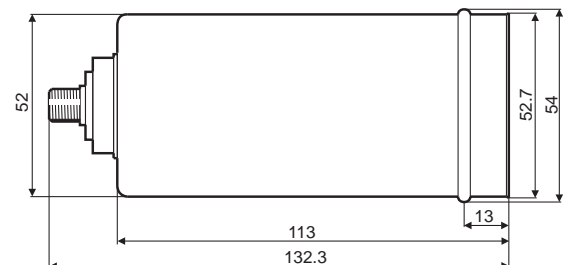
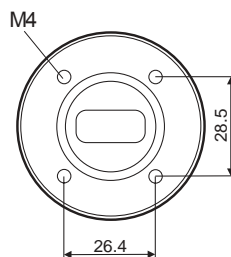
All our LNBs are individually hand tuned to get the very best performance available for each unit. Quality and long term reliability is also essential. Therefore are all LNBs tested according to a very extensive test program, which includes heating, cooling, water-proof testing and rigorous electrical testing.

Swedish Microwave was founded 1986 and, within Europe, is the oldest manufacturer of LNBs. In the standard product range we have DRO-LNBs, PLL-LNBs, LNAs, Block Downconverters (BDC), Up- & Down Converters, Quattro LNBs, Twin LNBs, Ortho mode transducers (OMT), Line Amplifiers and Feed horns.

Swedish Microwave is today one of the leading manufacturers of microwave components needed for satellite receiving equipment and other industrial products.

Specification SMW LNB Single Wideband

SMW	LNB Single Wideband 9.75 (Part no. 166210 with F-connector and 166215 with N.)
Frequency range	10.7 - 12.75 GHz
LO frequency	9.75 GHz
Output frequency	950 - 3000 MHz
Gain	min. 48 dB
Gain variation	+/- 3 dB +/- 0.4 dB within 30 MHz
Noise Figure, typical	0.8 dB
LO stability (over temp.)	+/- 3 MHz (See option)
LO Phase noise typical	-75 dBc @ 1 kHz -85 dBc @ 5 kHz -95 dBc @ 10 kHz -110 dBc @ 100 kHz -120 dBc @ >1 MHz
LO radiation	-50 dBm
Image rejection	50 dB min
1 dB gain compression point	+5 dBm
Input	WR-75 waveguide
Output (waterproof)	F-connector 75 ohm or N-connector 50 ohm
Output VSWR	2.0:1
DC power	12 - 24 V 145 mA typ
Operating temperature	-30 to +60°C
Weight	230 g (F), 246 g (N)
Options	Customized gain High stability LO, +/- 1 MHz (-30 to +60°C) High stability LO, +/- 1.5 MHz (-30 to +60°C) High stability LO, +/- 2 MHz (-30 to +60°C) Low output VSWR, 1.55:1
Accessories	Plastic covers



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